

# Permit to Operate

**FACILITY:** S-2199

**EXPIRATION DATE:** 08/31/200

**LEGAL OWNER OR OPERATOR:** CHEVRON USA PRODUCTION INC

**MAILING ADDRESS:** P O BOX 1392  
BAKERSFIELD, CA 93309

**FACILITY LOCATION:** WESTERN GAS STATIONARY SOURCE

**FACILITY DESCRIPTION:** NATURAL GAS PRODUCTION

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-0-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020]~Y 32] Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
32. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
33. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
34. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
35. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
36. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
37. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Each hatch shall be closed at all times except during sampling or attended maintenance operations. [District Rule 4403, 5.1.1], [Federally Enforceable Through Title V]
40. A leak shall be defined as any of the following: 1) the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs; or 2) a reading as methane in excess of 20,000ppm above background when measured at a distance of one (1) centimeter from the potential source in accordance with EPA method 21 with the instrument calibrated with methane. [District Rule 4403, 3.2.1], [Federally Enforceable Through Title V]
41. All components containing VOCs shall be inspected by the facility operator annually to ensure compliance with the provisions of this permit. The inspections shall be conducted in accordance with EPA Method 21, with the instrument calibrated with methane. If two (2) percent of more of the qualifying components are found to leak during an annual inspection, the inspection frequency for that type of component shall be changed from annual to quarterly. If less than two (2) percent of the qualifying components are subsequently found to be leaking during five (5) consecutive quarterly inspections, the inspection frequency for that type of component may be changed from quarterly to annual. [District Rule 4403, 5.1.2], [Federally Enforceable Through Title V]
42. Components that have been identified in the operator management plan as located in areas which cause inspection to be unsafe for personnel shall be inspected and repaired at least annually. Components that have been identified in the operator management plan as located in areas which cause inspection to be unsafe for personnel shall be inspected and repaired at the next process unit turnaround. [District Rule 4403, 5.1.3], [Federally Enforceable Through Title V]
43. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected, and found to be in compliance with the requirements of District Rule 4403. [District Rule 4403, 5.1.4], [Federally Enforceable Through Title V]
44. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 4403, 5.1.5], [Federally Enforceable Through Title V]
45. Emission from components which have been tagged by the facility operator for repair within 15 calendar days or have been repaired and are awaiting re-inspection pursuant to District Rule 4403, 5.3 shall not be in violation per Rule 4403, 5.1.2 [District Rule 4403, 5.1.6], [Federally Enforceable Through Title V]
46. The number of leaks of a component type exceed shall not exceed one (1) component, or two (2) percent of that type that were inspected, whichever is greater, and that are subject to the requirements of this rule. For inspections conducted by District personnel to determine compliance, the number of components inspected shall constitute a statistically representative sample for each component type. [District Rule 4403, 5.1.7], [Federally Enforceable Through Title V]

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47. Any vapor control device, other than a flare, used to comply with District Rule 4403, section 5.3.1 shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2 and District Rule 4403, 5.3.1], [Federally Enforceable Through Title V]
48. If a leaking component is an essential part of a critical process identified in the operator management plan and which cannot be immediately shut down for repairs, the operator shall: 1) minimize the leak within 15 calendar days, and 2) if a leak which has been minimized still exceeds the limits is defined in the permit conditions, as applicable, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. [District Rule 4403, 5.3], [Federally Enforceable Through Title V]
49. Each operator shall be maintain an inspection log containing, at a minimum, the following: 1) name, location, type of components, and description of any unit where leaking components are found; 2) date of leak detection, emission level (ppm) of leak, and method of detection; date and emission level of recheck after leak is repaired; 3) total number of components inspected, and total number and perentage of leaking components found; 4) identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 4403, 6.2], [Federally Enforceable Through Title V]
50. Any component leak identified by a Notice to Repair issued by the District shall be repaired and reinspected as specified in District Rule 4403, 5.1.4 and 5.1.5, as appropriate. [District Rule 4403, 5.3.2], [Federally Enforceable Through Title V]
51. Samples shall be analyzed by using ASTM Methods E-260-73, D-168-67, or E-169-63 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 432. [District Rule 4403, 6.3.1], [Federally Enforceable Through Title V]
52. Emissions of VOC shall be measured by EPA Method 25, 25a, or 25b, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4403, 6.3.2], [Federally Enforceable Through Title V]
53. The True Vapor Pressure (TVP) of organic liquids, including light crude and petroleum distillates, shall be determined as specified in District Rule 4403, 6.3.3 (Amended February 16, 1995). [District Rule 4403, 6.3.3], [Federally Enforceable Through Title V]
54. Leak detection shall be performed in accordance with EPA Method 21, with the instrument calibrated with methane. [District Rule 4403, 6.3.4], [Federally Enforceable Through Title V]
55. API gravity of crude oil shall be determined by using ASTM D-1298-85. [District Rule 4403, 6.3.5], [Federally Enforceable Through Title V]
56. The requirements of SJVUAPCD Rules 4403, Section 5.2 (Amended February 16, 1995) does not apply to this source. A permit shield is granted from these requirments. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
57. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. [District Rule 4403, 5.3.1], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-2-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

550 BHP GAS FIRED INGERSOL RAND LEAN BURN IC ENGINE #UC-11

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. Valves, flanges, and seals shall be maintained to prevent the emission of volatile organic compounds. [District NSR Rule], [Federally Enforceable Through Title V]
11. NOx (as NO2) emission rate shall not exceed 2.67 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
13. Source test to show compliance with NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. [District Rule 2520, 9.4.2 and District Rule 4701, 6.3.1], [Federally Enforceable Through Title V]
14. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). [District Rule 2520, 9.4.2 and District Rule 4701, 6.4], [Federally Enforceable Through Title V]
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
16. Compliance with the NOx Emission Limit for this unit shall be determined by using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly NOx DELs. [District Rule 1081 and District NSR Rule], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-3-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

500 BHP NATURAL GAS FIRED CLARK MODEL RA-6 IC ENGINE DRIVING COMPRESSOR, S/N A-21213  
(SURRENDERED PURSUANT TO RULE 4701 CONTROL PLAN 5/28/99 - SPL)

**PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. This includes a log that documents total hours of operation and the quantity and type of fuel used on a monthly basis. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-4-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP GAS FIRED LEAN BURN INGERSOLL RAND IC ENGINE WITH PRE-STRATIFIED CHARGE SYSTEM

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. Compliance can be demonstrated from results from representative units as specified elsewhere in this permit on an annual basis. [District Rule 4701, 6.3.1]
11. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to ARB Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
12. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
14. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
15. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 10% of the total number of units in the group. [District Rule 4701, 6.3.2]



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16. All units in a group for which representative units are annually source tested to demonstrate compliance for emission limits of this permit shall have recieved the same maintenance procedures and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
17. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]
18. Emission rate shall not exceed any of the following: 150 ppmv NOx (as NO2) @ 15% O2 or 2000 ppmv CO @ 15% O2. [District Rule 4701]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-5-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND GAS FIRED RICH BURN IC ENGINE MODEL XVG WITH NSCR; #P-108, S/N 4AV164

## PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined and shown to be less than 4.2% sulfur using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
11. Exhaust emissions shall not exceed the following: 90 ppmv NOx as NO2 @ 15% O2, 2000 ppmv CO @ 15% O2. [District Rule 4701]
12. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supercede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]
13. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. Compliance can be demonstrated from results from representative units as specified elsewhere in this permit on annual basis. [District Rule 4701, 6.3.1]
14. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to ARB Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]

## Initial TV Permit

17. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollution limits for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 2) the group is owned by a single owner and located at single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
18. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 10% of the total number of units in the group. [District Rule 4701, 6.3.2]
19. All units in a group for which representative units are source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance procedures and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-6-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

330 BHP INGERSOLL RAND GAS FIRED RICH BURN IC ENGINE MODEL SVG WITH NSCR; #UC12, S/N 6BS275

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined and shown to be less than 4.2% sulfur using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
11. Exhaust emissions shall not exceed the following: 90 ppmv NOx as NO2 @ 15% O2, 2000 ppmv CO @ 15% O2. [District Rule 4701]
12. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supercede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]
13. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. Compliance can be demonstrated from results from representative units as specified elsewhere in this permit on an annual basis. [District Rule 4701, 6.3.1]
14. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to ARB Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]

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17. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollution limits for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 2) the group is owned by a single owner and located at single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
18. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 10% of the total number of units in the group. [District Rule 4701, 6.3.2]
19. All units in a group for which representative units are source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance procedures and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-7-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP CLARK IC ENGINE #1 DRIVING COMPRESSOR, S/N 22705

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-8-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP CLARK IC ENGINE #2 DRIVING COMPRESSOR, S/N 22707

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-9-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE #P-101 DRIVING COMPRESSOR, S/N 4GV1650

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]



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**PERMIT UNIT:** S-2199-10-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE #P-109 DRIVING COMPRESSOR, S/N 4GV1335

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

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**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-11-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

350 BHP CLARK IC ENGINE #P-206 DRIVING COMPRESSOR, S/N 50037

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

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**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-12-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP CLARK IC ENGINE #P-207 DRIVING COMPRESSOR, S/N 39520

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-15-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

1,232 BHP WAUKESHA MODEL L7042GU SERIAL #230754 LEAN BURN TURBOCHARGED NATURAL GAS FIRED IC ENGINE #UC-14 WITH RETROFIT PRECOMBUSTION CHAMBER

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. This includes a log that documents total hours of operation and the quantity and type of fuel used on an monthly basis. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. Emission rates shall not exceed the following: PM10: 0.20 lb/hr, SOx (as SO2): 0.03 lb/hr, NOx (as NO2): 150 ppmv (on a dry basis corrected to 15% O2) or 4.08 lb/hr or 2 g/bhp-hr, VOC: 2.72 lb/hr and CO: 6.20 lb/hr. [District Rule 4701 and District NSR Rule], [Federally Enforceable Through Title V]
11. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. [District Rule 2520, 9.4.2; District Rule 4701, 6.3.1], [Federally Enforceable Through Title V]
12. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 2520, 9.4.2 and District Rule 4701, 6.4], [Federally Enforceable Through Title V]
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
15. Exhaust stream oxygen concentration shall be 4% by volume or greater. [District Rule 4701, 3.0]

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16. Permittee shall record the results of portable analyzer measurements of exhaust NOx and CO concentrations as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
17. Permittee shall monitor the nitrogen oxides (NOx) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer at least on a monthly basis. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
18. The portable analyzer shall be calibrated annually as per manufacturer's specifications. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
19. Daily Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minutes test runs for NOx and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-16-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

75 BHP CLARK IC ENGINE P-203, S/N 38003 (SURRENDERED PURSUANT TO RULE 4701 CONTROL PLAN 5/28/99 - SPL)

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-17-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

350 BHP CLARK IC ENGINE #P-205, S/N 55117 (SURRENDERED PURSUANT TO RULE 4701 CONTROL PLAN 5/28/99 - SPL)

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-18-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

1,232 BHP WAUKESHA, MODEL L7042GU, SERIAL # 122155, LEAN BURN TURBOCHARGED NATURAL GAS FIRED IC ENGINE #UC-13 WITH RETROFIT PRECOMBUSTION CHAMBER

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. Exhaust stream oxygen concentration shall be 4% by volume or greater. [District Rule 4701, 3.0]
11. If no means of measuring engine output is available, compliance with Kern County Rule 427 shall be demonstrated by test data showing that NOx emissions do not exceed 150 ppm by volume on a dry basis, corrected to 15% oxygen. [Kern County Rule 427], [Federally Enforceable Through Title V]
12. Emission rates shall not exceed the following: PM10: 0.20 lb/hr, SOx (as SO2): 0.03 lb/hr, NOx (as NO2): 150 ppmv (on a dry basis corrected to 15% O2) or 4.08 lb/hr or 2 g/bhp-hr, VOC: 2.72 lb/hr and CO: 6.20 lb/hr. [District Rule 4701 and District NSR Rule], [Federally Enforceable Through Title V]
13. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. [District Rule 4701, 6.3.1], [Federally Enforceable Through Title V]
14. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 2520; District Rule 4701, 6.4], [Federally Enforceable Through Title V]
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]



## Initial TV Permit

16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
17. Permittee shall record the results of portable analyzer measurements of exhaust NOx and CO concentrations as ppmvd corrected to 15% of oxygen. Records shall be maintained for at least five years and made available to the District upon request. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
18. Permittee shall monitor the nitrogen oxides (NOx) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer at least on a monthly basis. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
19. The portable analyzer shall be calibrated annually as per manufacturer's specifications. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
20. Daily Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minutes test runs for NOx and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the hourly DELs. [District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-20-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE #1 W/NSCR, S/N 4GV1383

**PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined and shown to be less than 4.2% sulfur using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
11. Exhaust emissions shall not exceed the following: 90 ppmv NOx as NO2 @ 15% O2, 2000 ppmv CO @ 15% O2. [District Rule 4701]
12. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
13. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. Compliance can be demonstrated from results from representative units as specified elsewhere in this permit on an annual basis. [District Rule 4701, 6.3.1]
14. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to ARB Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
15. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
16. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]

## Initial TV Permit

17. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollution limits for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 2) the group is owned by a single owner and located at single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
18. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 10% of the total number of units in the group. [District Rule 4701, 6.3.2]
19. All units in a group for which representative units are source tested to demonstrate compliance for emission limits of this permit shall have received the same maintenance procedures and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
20. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supercede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-21-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP NATURAL GAS-FIRED INGERSOLL RAND IC ENGINE #2 W/NSCR, S/N 4GV1331

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
10. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
11. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 4701]
12. Source test to show compliance with CO and NOx emission limits shall be conducted at least every 24 months by an independent testing laboratory and shall be witnessed by the District. Compliance can be demonstrated from results from representative units as specified elsewhere in this permit on an annual basis. [District Rule 4701, 6.3.1]
13. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), and stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to ARB Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
14. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
16. Exhaust emissions shall not exceed the following: 90 ppmv NOx as N02 at 15% O2, 2000 ppmv CO at 15% O2. [District Rule 4701]

## Initial TV Permit

17. The following conditions must be met for representative unit(s) to be used to demonstrate compliance for pollutant limits for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
18. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 10% of the total number of units in the group. [District Rule 4701, 6.3.2]
19. All units in a group for which representative units are annually source tested to demonstrate compliance for emission limits of this permit shall have recieved the same maintenance procedures and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
20. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-22-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

500 BHP CLARK IC ENGINE #1, S/N 22603 (SHUTDOWN & REPLACED BY ELECTRIC MOTOR, FUGITIVES ASSOCIATED WITH 1-C GAS PLANT - SPL 04/05/95)

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-23-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE P-106, S/N 4AV200

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-24-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

162 BHP WAUKESHA IC ENGINE P-307, S/N 732638

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]



**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-25-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE P-102, S/N 4GV1354

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-31-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

150 BHP INGERSOLL RAND IC ENGINE P-103, S/N 4AV172 (SURRENDERED PURSUANT TO RULE 4701 CONTROL PLAN 5/28/99 - SPL)

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-32-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

278 BHP WAUKESHA IC ENGINE P-323, S/N 47603

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-33-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

162 BHP WAUKESHA IC ENGINE P-317, S/N 56909

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-34-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

240 BHP INGERSOLL RAND IC ENGINE #1, S/N 8AJ268 (SURRENDERED PURSUANT TO RULE 4701 CONTROL PLAN 5/28/99 - SPL)

## **PERMIT UNIT REQUIREMENTS**

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
2. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
3. Unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
4. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, a record of the source of natural gas used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-2199-35-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

225 BHP CLARK IC ENGINE #2, S/N 38512

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

## Initial TV Permit